

## Summary of Demonstration Results

The results of demonstrating the Brokk BM150 are listed in Table 1 below

**Table 1 – Performance data**

<b>Criteria</b>	<b>Innovative technology: Brokk BM150</b>	<b>Baseline technology: manual jackhammering</b>
Amount and type of primary waste generated (measured by waste container volume) Waste generated depends on work performed. The Brokk does not generate any waste stream different from the baseline technology with the exception of potentially contaminated hydraulic fluid.	1650 cubic feet of reinforced concrete 48 cubic feet of lead 96 cubic feet of mixed waste	390 cubic feet of reinforced concrete
Crew size utilized	1 operator	2 operators, 2 waste handlers
Days worked	16 days	60 days
Type of secondary waste generated	Used PPE, 1 hydraulic hose, rags, smear papers	Used PPE, rags, smear papers, duct tape
Noise level	100 dBA @ 5 ft	105 dBA
Developmental status	Commercially available	Commercially available
Safety concerns	Main hazards are heavy equipment operation, noise, falling debris	Worker fatigue and heat stress, falling concrete pieces, lifting hazards, noise, falls and contamination exposure
PPE Requirements	Hard hat, hearing protection, safety glasses, safety shoes	Hard hat hearing protection, safety shoes, anti-contamination clothing, double gloves, full faced air purifying respirator, fall protection
Set-up requirements	Electric power supply, move machine to work area	Erection of temporary scaffolding, running air hoses